

METHOD OF AND APPARATUS FOR TRANSMITTING
TORQUE IN VEHICULAR POWER TRAINS

ABSTRACT OF THE DISCLOSURE

5 The magnitude of torque which can be transmitted
by a bypass clutch between the housing and the turbine
of a torque converter between a prime mover, such as an
engine, and an automatic transmission in the power train
of a motor vehicle is selectively regulatable by a computerized
regulating unit. The regulation involves the transmission
10 of torque by the clutch in dependency upon the magnitude
of the torque being transmitted by the output element of
the engine and ascertaining as well as adaptively applying
to the clutch a variable force so that the clutch can transmit
a predetermined torque. This entails automatic selection
15 of a minimum slip between a torque receiving and a torque
transmitting part of the power train. Compensation,
particularly long-range compensation, is carried out for
the existence of possible differences between the predeter-
mined and actual torques being transmitted by the clutch.